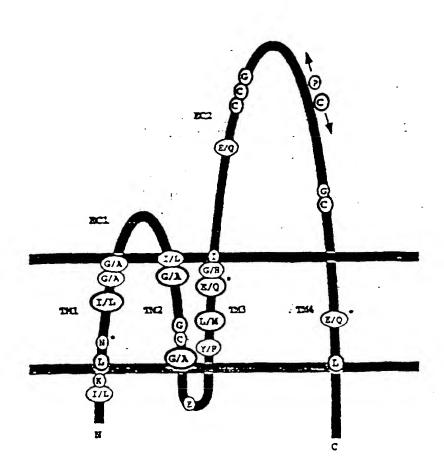
Express Mail No.: EL897865525US
Title: TETRASPAN PROTEIN AND USES THEREOF
th Reinhard et al. Serial No. Not yet assigned

Inventors: C

et No.: 200130.521



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Inventors: C

FIGURE 2A

ret No.: 200130.521

CTTCCTCGGC CGAGCCGGGC CGCGCGGCGC CTGCCGCCGC CGCGCGCGA GAAGGAGCCG GCTCGGCCCG GCGCGCCGCC GACGGCGCGCG GCGCGCCCCT +1 TTCTGCTTCT CAGAAGATGC ACTATTATAG ATACTCTAAC GCCAAGGTCA AAGACGAAGA GTCTTCTACG TGATAATATC TATGAGATTG CGGTTCCAGT 101 GCTGCTGGTA CAAGTACCTC CTTTTCAGCT ACAACATCAT CTTCTGGTTG CGACGACCAT GTTCATGGAG GAAAAGTCGA TGTTGTAGTA GAAGACCAAC -3 +3 151 GCTGGAGTTG TCTTCCTTGG AGTCGGGCTG TGGGCATGGA GCGAAAAGGG CGACCTCAAC AGAAGGAACC TCAGCCCGAC ACCCGTACCT CGCTTTTCCC +1 -----201 TGTGCTGTCC GACCTCACCA AAGTGACCCG GATGCATGGA ATCGACCCTG ACACGACAGG CTGGAGTGGT TTCACTGGGC CTACGTACCT TAGCTGGGAC 251 TGGTGCTGGT CCTGATGGTG GGCGTGGTGA TGTTCACCCT GGGGTTCGCC ACCACGACCA GGACTACCAC CCGCACCACT ACAAGTGGGA CCCCAAGCGG -3 --------301 GGCTGCGTGG GGGCTCTGCG GGAGAATATC TGCTTGCTCA ACTTTTTCTG CCGACGCACC CCCGAGACGC CCTCTTATAG ACGAACGAGT TGAAAAAGAC 3 -----141 -----351 TGGCACCATC GTGCTCATCT TCTTCCTGGA GCTGGCTGTG GCCGTGCTGG ACCGTGGTAG CACGAGTAGA AGAAGGACCT CGACCGACAC CGGCACGACC CCTTCCTGTT CCAGGACTGG GTGAGGGACC GGTTCCGGGA GTTCTTCGAG GGAAGGACAA GGTCCTGACC CACTCCCTGG CCAAGGCCCT CAAGAAGCTC +3 -----ClaI AGCAACATCA AGTCCTACCG GGACGATATC GATCTGCAAA ACCTCATCGA TCGTTGTAGT TCAGGATGGC CCTGCTATAG CTAGACGTTT TGGAGTAGCT +3 ----> +1 ------CTCCCTTCAG AAAGCTAACC AGTGCTGTGG CGCATATGGC CCTGAAGACT GAGGGAAGTC TTTCGATTGG TCACGACACC GCGTATACCG GGACTTCTGA

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FIGURE 2B

+1	~					
551	GGGACCTCAA	CGTCTACTTC	AATTGCAGCG	GTGCCAGCTA	CAGCCGAGAG	
			TTAACGTCGC			
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+1		~				
601	AAGTGCGCGG	ででくくでででくすぐ	CTGCTGCGTG	CCAGATCCTG	CCCDADADACT	
001						
	TTCACGCCCC	AGGGGAAGAG	GACGACGCAC	GGTCTAGGAC	GCGTTTTTCA	
						
41						
021			ATGATGTCAG			
	ACACTTGTGT	GTCACACCTA	TACTACAGTC	CTAAGTCGAC	TTCTCGTTCA	
+1						
701	GGGATGAGTC	CATCTTCACG	AAAGGCTGCA	TCCAGGCGCT	GGAAAGCTGG	r
	CCCTACTCAG	GTAGAAGTGC	TTTCCGACGT	AGGTCCGCGA	CCTTTCGACC	
	000111010110	011101110100	111000001	noorecocon	conco	
+1						
131			TGTGGCTGGC			
	GAGGGCGCCT	TGTAAATGTA	ACACCGACCG	CAGAAGTAGC	GGTAGAGCGA	
1				. <		
D2.						<u> </u>
Ti -						
= +1						
801	GTTGCAGATA	TTTGGCATCT	TCCTGGCAAG	GACGCTGATC	TCAGACATCG	
773			AGGACCGTTC			
कर्ज ~~ 1						
-1	+					
<u> </u>						
1						
2.2						
821	AGGCAGTGAA	GGCCGGCCAT	CACTTCTGAG	GAGCAGAGTT	GAGGGAGCCG	
	TCCGTCACTT	CCGGCCGGTA	GTGAAGACTC	CTCGTCTCAA	CTCCCTCGGC	
-1						
7						
-						
901	AGCTGAGCCA	CGCTGGGAGG	CCAGAGCCTT	TCTCTGCCAT	CAGCCCTACG	
			GGTCTCGGAA			•
_1						
i -1						
=						
≖ +1				1		
		CRECRECCE	03.000003.03			
331			CACCCCAGA			
	AGGTCTCCCT	CTCCTCGGCT	GTGGGGGTCT	CGGTCACGGG	GTAGAATTCG	
-1			[
			•			
+1						
001	ATCAGCGTGA	CGTGACCTCT	CTGTTTCTGC	TTGCTGGTGC	TGAAGACCAA	
			GACAAAGACG			•
	INGICUCACI	GCACIGGAGA	GACAAAGACG	AACGACCACG	MCIICIGGII	
						
+1						
_						
100	GGGTCCCCCT	TGTTACCTGC	CCAAACTTGT	GACTGCATCC	CTCTGGAGTC	
	CCCAGGGGGA	ACAATGGACG	GGTTTGAACA	CTGACGTAGG	GAGACCTCAG	
	·					
_						
101	TACCCAGAGA	CAGAGAATGT	GTCTTTATGT	GGGAGTNGTG	ACTCTGAAAG	
			CAGAAATACA			·
. 1			CAGAAATACA			
-1	\					
						
_1 1						
71						
					PstI	
					~~~	
151	ACAGAGAGGG	CTCCTGTGGS	TGCCAGGAGG	GCTTGACTCA	GACCCCCTGC	
. –			ACGGTCCTCC			·
•						
-1						•

## FIGURE 2C

+1							
	PstI						No.
1201 -1				CCCYTYTCCA GGGRARAGGT	YTGGCWTCCA RACCGWAGGT		,
				CONVERGE	-		
-1	CTGTAGACGA	AACCCAGTAG	GTGTAGACAC	GGTNGGCCGT CCANCCGGCA	CCCATCTCCC		
1301	TGGGTGTCCG	CACCTGTCCC	GTAGAGAGAG	CATCAAGCAA GTAGTTCGTT	TCGTCGTACC		
	CCCCGGAACG	CGTAAACGGG GCATTTGCCC				 	
The state of the s							
137							
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1	MHYYRYSNAK	VSCWYKYLLF	SYNIIFWLAG	VVFLGVGLWA	WSEKGVLSDL	
51	TKVTRMHGID	PVVLVLMVGV	VMFTLGFAGC	VGALRENICL	LNFFCGTIVL	
101	IFFLELAVAV	LAFLFQDWVR	DRFREFFESN	IKSYRDDIDL	QNLIDSLQKA	
151	NQCCGAYGPE	DWDLNVYFNC	SGASYSREKC	GVPFSCCVPD	PAQKVVNTQC	
201	GYDVRIQLKS	KWDESIFTKG	CIQALESWLP	RNIYIVAGVF	IAISLLQIFG	
251	IFLARTLISD	IEAVKAGHHF				-

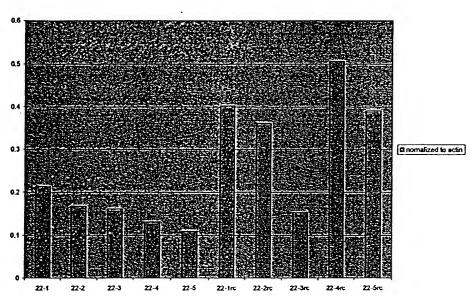
NTSP5:P104	CHIR22-1	TGCAGCCTTTCGTGAAGATGGACTC	25 (7-11-7)
NTSP5:P727	CHIR22-2	CCCCATGCTGCTTTGCTTGATGGAG	25 (7-11-7)
NTSP5:P285	CHIR22-3	GCTCAGCTCGGCTCCCTCAACTC	23 (7-9-7)
NTSP5:P456	CHIR22-4	CACAAGTTTGGGCAGGTAACAAGGG	25 (7-11-7)
NTSP5:P395	CHIR22-5	AGAGGTCACGTCACGCTGATGCTTA	25 (7-11-7)
NTSP5:P104	CHIR22-1RC	CTCAGGTAGAAGTGCTTTCCGACGT	25 (7-11-7)
NTSP5:P727	CHIR22-2RC	GAGGTAGTTCGTTCGTCGTACCCC	25 (7-11-7)
NTSP5:P285	CHIR22-3RC	CTCAACTCCCTCGGCTCGACTCG	23 (7-9-7)
NTSP5:P456	CHIR22-4RC	GGGAACAATGGACGGGTTTGAACAC	
NTSP5:P395	CHIR22-5RC	ATTCGTAGTCGCACTACGCTGGAGA	25 (7-11-7)

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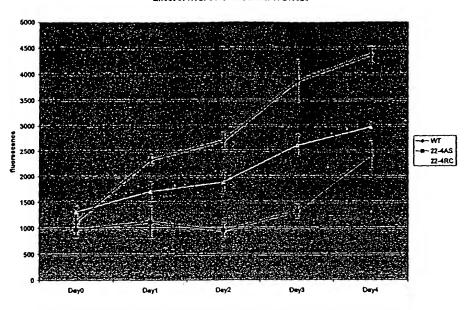
Express Mail No.: EL897865525US

Title: TETRASPAN PROTEIN AND USES THEREOF
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FIGURE 6

#### Effect of NTSP5 AS on Growth of SW620



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